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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 3604 0114PUS1 <div style="font-size: 2em; font-weight: bold; text-align: center;">10/520-126</div> |
| INTERNATIONAL APPLICATION NO. PCT/JP2003/008418 ✓ | INTERNATIONAL FILING DATE 2 July 2003 ✓ | PRIORITY DATE CLAIMED 4 July 2002 ✓ |
| TITLE OF INVENTION GLUCOSE DEHYDROGENASE | | |
| APPLICANT(S) FOR DO/EO/US Koji SODE | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - ✓ a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

- ✓ 11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
- ✓ 14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PCT/ISA/210; PCT/IB/301; PCT/IB/304; PCT/IB/308; Three Sheets of Formal Drawings & Five Sheets of Sequence Listings

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO. (if known) 10/520126 | | INTERNATIONAL APPLICATION NO. PCT/JP2003/008418 | | ATTORNEY'S DOCKET NUMBER 3691-0114PUS1 | |
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|--|--------------|---|------------------|---------------|-----------------|
| 21. The following fees are submitted: | | | | Applicant Use | Office Use Only |
| | | | | | |
| <input checked="" type="checkbox"/> a) Basic national fee | \$300.00 | \$ | 300.00 | | |
| <input checked="" type="checkbox"/> b) Examination fee | \$200.00 | \$ | 200.00 | | |
| <input checked="" type="checkbox"/> c) Search fee | \$500.00 | \$ | 500.00 | | |
| TOTAL OF ABOVE CALCULATIONS = | | | \$1000.00 | \$ | 1,000.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 32 - 100 = | /50 = | | x \$250.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). | | | | \$ | 130.00 |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 0 - 20 = | 0 | x 50.00 | \$ | 0.00 |
| Independent claims | 0 - 3 = | 0 | x 200.00 | \$ | 0.00 |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + | 360.00 | \$ 0.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | 1,130.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | |
| SUBTOTAL = | | | | \$ | 1,130.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | | + | \$ |
| TOTAL NATIONAL FEE = | | | | \$ | 1,130.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + | \$ |
| TOTAL FEES ENCLOSED = | | | | \$ | 1,130.00 |
| Amount to be refunded: | | | | | \$ |
| Amount to be charged: | | | | | \$ |

☒ A check in the amount of \$ 1,130.00 to cover the filing/surcharge fees is enclosed. The fees related to the additional claims will be perfect filed.

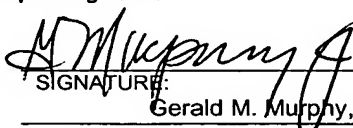
☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees, which may be required to complete the National Phase entry, or credit any overpayment to Deposit Account No 02-2448. Do not charge any non-essential fees at this time. Any non-essential fees will be paid at a later date. A duplicate copy of this sheet is enclosed.

☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:


 SIGNATURE: _____
 Gerald M. Murphy, Jr.
 NAME

 28,977
 REGISTRATION NUMBER

CUSTOMER NUMBER: 02292
 January 3, 2005
 /smt